

### ABSTRACT

An electric motor and method for reducing or eliminating end play. The motor comprises an adjustment member that cooperates with an end lamina member to facilitate reducing end play. The adjustment member is slidably mounted on an armature shaft and inside an aperture of a portion of the end lamina tube to reduce or eliminate end play. Thereafter, the adjustment member is permanently secured to the end lamina tube. In another illustrative embodiment, the movable bearing retainer sets endplay and also retains brushes in an open position prior to, for example, assembly of the motor.